ORDER NO.ACED060113C3

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-C3303W

MP3 CD Player/Receiver

SPECIFICATIONS

Specifications*

General	
Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Current Consumption	Less than 2.1A (CD mode ; 0.5W 4-channels)
Maximum Power Output	50W×4ch (at 1kHz) Volume control maximum
Power Output	18W×4ch (1kHz, 1%, 4)
Tone Adjustment Range	Bass ; ±12dB at 100Hz Treble ; ±12dB at 10kHz
Speaker Impedance	4-8
Pre-Amp Output Voltage	2.5V (CD mode; 1kHz, 0dB)
Pre-Amp Output Impedance	200
Front AUX Input	
Input Impedance	10k
Allowable External Input	2.0V
Connector	3.5mm Stereo mini-pin
FM Stereo Radio	
Frequency Range	87.5MHz - 108MHz

Usable Sensitivity	**6dB/ V (S/N 30dB)**
Frequency Response	**30Hz-15kHz (±3dB)**
Alternate Channel Selectivity	**75dB**
Stereo Separation	**35dB (1kHz)**
Image Rejection Ratio	**70dB**
IF Rejection Ratio	**100dB**
Signal to Noise Ratio	**62dB**
AM Radio	
Frequency Range	**531kHz - 1,602kHz**
Usable Sensitivity	**28dB/ V (S/N 20dB)**
CD Player	
Sampling Frequency	**8 Times Oversampling**
DA Converter	**1bit DAC System**
Pick-Up Type	**Astigma 3-beam**
Light Source	**Semiconductor Laser**
Wave Length	**790nm**
Frequency Response	**20Hz to 20kHz (±1dB)**
Signal to Noise Ratio	**93dB**
Total Harmonic Distortion	**0.01% (1kHz)**
Wow and Flutter	**Below measurable limits**
Channel Separation	**75dB**
Dimensions**	**178×50×160mm**
Weight**	**1.4kg**

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

-Above specifications comply with EIA standards.

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1. ABOUT LEAD FREE SOLDER (PbF)

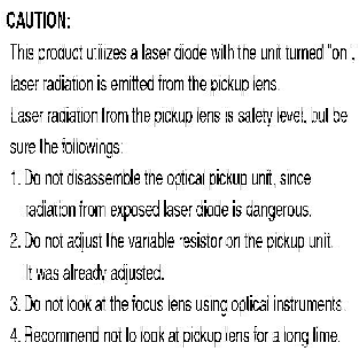
Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- **Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.**
- **Pb free solder will tend to splash when heated too high (about 1100°F/ 600°C)**
- **This lead free solder will be used for the products after serial No. 1,000,001.**

2. LASER PRODUCTS



CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

3. FEATUERS

- Large-sized volume control.

- SQ (Sound Quality).
- The AUX input terminal is equipped on the front panel.

4. REPLACING THE FUSE

Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

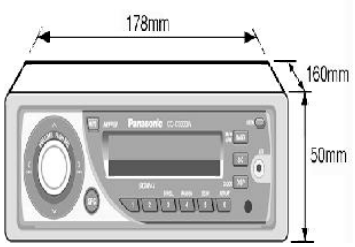
5. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

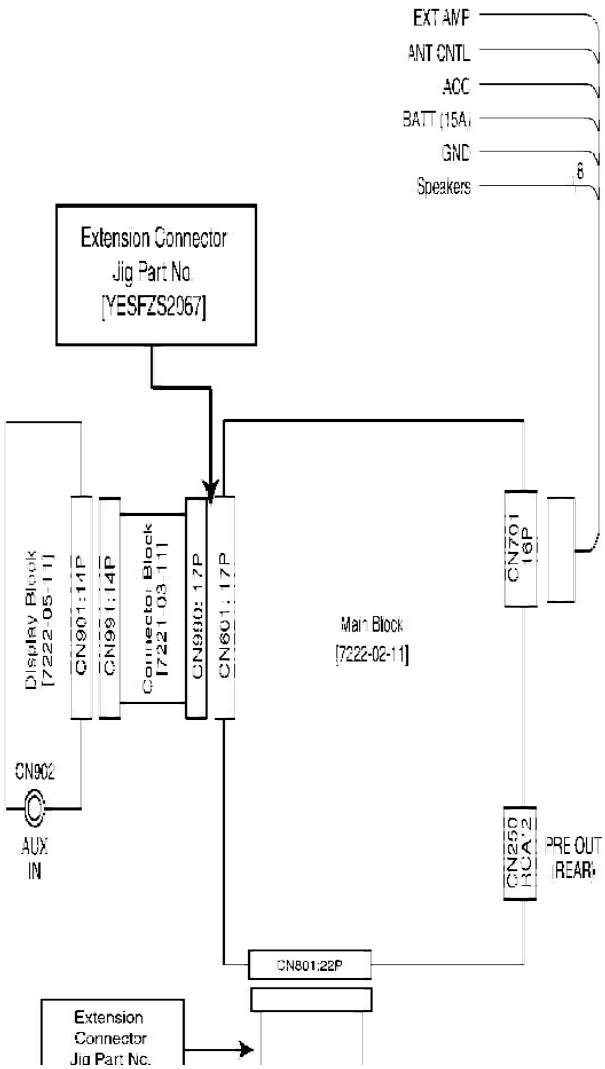
6. NOTES

[RADIO BLOCK]
Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.
[CD DECK BLOCK]
This model has no servo alignment points because microcomputer controls the servo circuit.

7. DIMENSIONS



8. WIRING CONNECTION



9. TERMINALS DESCRIPTION

9.1. Main Block

IC601 : YESAM350

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
1	XIN	Crystal oscillator	I	2.5	2.5	2.5
2	TEST2	Ground	I	0	0	0
3	VREG	Bypass condenser connected.	O	2.9	2.9	2.9
4	VSSCPU	Ground	-	0	0	0
5	NC	-	-	-	-	-
6	NC	-	-	-	-	-
7	NC	-	-	-	-	-
8	NC	-	-	-	-	-
9	LCD DO	LCD data output	I	5	5	5
10	LCD DI	LCD data input	O	4.9	5	4.9
11	LCD CLK	LCD clock	O	5.1	5.1	5.1
12	LCD CE	LCD chip enable output	O	0	0	0.3
13	CD DO	CD data output	I	5.1	5.2	4
14	CD DI	CD data input	O	0	0	4.6
15	CD CLK	CD clock	O	4.9	49	4.9
16	CD CE	CD chip enable	O	0	0	1
17	CD LM (+)	CD loading motor control	O	0	0	0
18	CD LM (-)	CD loading motor control	O	0	0	0
19	CD S/L	CD spindle motor control	O	5.1	5.1	5.1
20	SUB READY	Sub CPU ready signal	I	0	0	5
21	CD INSW1	CD insert SW input	I	0	0	0
22	CD SW2	CD mechanism SW2	I	5.1	5.1	0
23	CD LIMIT SW	CD limit SW	I	0.2	0.2	5.1
24	CD MUTE	CD Mute signal	I	5.1	5.1	5.1
25	CD RST	CD reset	O	5.1	5.1	5.1
26	CD DMUTE	CD mute	O	0	0	5.1
27	LOW BATT	Battery low level detect	I	5.1	5.1	0
28	NC	-	-	-	-	-
29	PANEL	Panel detect switch	I	0	0	0
30	NC	-	-	-	-	-
31	NC	-	-	-	-	-
32	NC					

32	**NC**	**-**	**-**	**-**	**-**	**-**

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
33	NC	-	-	-	-	-
34	NC	-	-	-	-	-
35	NC	-	-	-	-	-
36	NC	-	-	-	-	-
37	NC	-	-	-	-	-
38	NC	-	-	-	-	-
39	VDD PORT	Power supply (+5V)	-	5.1	5.1	5.1
40	VSS PORT	Ground	-	0	0	0
41	NC	-	-	-	-	-
42	NC	-	-	-	-	-
43	NC	-	-	-	-	-
44	NC	-	-	-	-	-
45	NC	-	-	-	-	-
46	NC	-	-	-	-	-
47	NC	-	-	-	-	-
48	NC	-	-	-	-	-
49	PWR CNT	Power on control	O	4.9	5	5
50	AMP CNT	Amp control signal	O	5.1	5.1	5.1
51	AMP MUTE	Power IC mute signal	O	5.1	5.1	5.1
52	STBY	Power IC standby control	O	5.1	5.1	5.1
53	SSC	Tuner search sensitivity change	O	0	0	5.1
54	AF MUTE	AF mute	O	5.1	5.1	5.1
55	I2C DATA	Electronic VOL data	O	5.1	5.1	5.1
56	I2C CLK	Electronic VOL clock	O	5.1	5.1	5.1
57	ANT CNT	Motor antenna drive control	O	5.1	5.1	5.1
58	POWER LED	Power LED	O	0	0	0
59	NC	-	-	-	-	-
60	NC	-	-	-	-	-
61	NC	-	-	-	-	-
62	NC	-	-	-	-	-
63	OP/CL	Panel open/close signal	I	-	-	-
64	EJECT	Eject switch signal	I	5.1	5.1	5.1
65	EJ ILL	Eject LED drive control	O	5.1	5.1	5.1

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
66	TEL MUTE	Telephone mute signal	I	5.1	5.1	5.1
67	BATT	Battery detection	I	5.1	5.1	5.1
68	MODE B	Rotary encoder input B	I	5	5	5
69	NC	-	-	-	-	-
70	RM DATA	Remote control data	I	-	-	-
71	MODE A	Rotary encoder input A	I	5	5	5.1
72	NC	-	-	-	-	-
73	NC	-	-	-	-	-
74	NC	-	-	-	-	-
75	AM MODE	Radio AM mode control	O	8.2	0	8.2
76	FM MODE	Radio FM mode control	O	0	8.2	0
77	LEVEL	Audio signal input for level meter	I	0	0	1.5
78	INIT C	Initial setting port	I	0	0	0
79	INIT B	Initial setting port	I	0	0	0
80	INIT A	Initial setting port	I	0	0	0
81	VSSADC	Ground	-	0	0	0
82	NC	-	-	-	-	-
83	ST	FM stereo signal	I	5.1	5.2	5.2
84	SD FM/ AM	Radio signal strength	I	0	0	0
85	NC	Ground	I	0	0	0
86	RESET	Reset signal	I	5	5	5
87	ACC	ACC signal input	I	5.3	5.3	5.3
88	NC	Ground	I	0	0	0
89	NC	Ground	I	0	0	0
90	FM/AM IFC	FM/AM IF input	I	1.4	1.3	1.3
91	NC	-	-	-	-	-
92	NC	-	-	-	-	-
93	VDDPLL	Power supply of PLL	-	5.1	5.1	5.1
94	NC	-	-	-	-	-
95	OSC FM/AM	FM/AM osc input	I	1.4	1.3	1.3
96	VSSPLL	Ground	-	0	0	0
97	NC	-	-	-	-	-
98	EO1	PLL phase comparison error output	O	2.2	2.1	2.3
99	TEST1	Ground	I	0	0	0

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
100	XOUT	Crystal oscillator	O	2.6	2.6	2.6

9.2. Display Block

IC901 : C0HBA0000195

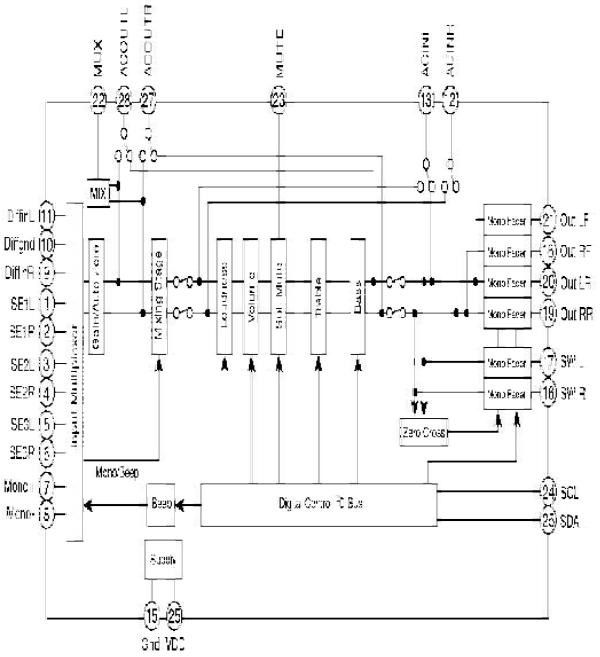
Pin No.	Port	Description	I/O	(V)
1, 2	NC	-	-	-
3 -39	SEG3 -39	LCD segment data	O	2.5
40 -43	COM1 -4	LCD common	O	2.5
44, 45	SEG40, 41	LCD segment data	O	2.5
46 -49	KS3-6	Key scan	O	5.0
50 -54	KI1-5	Key data	I	0
55	TEST	(Connecting to ground)	-	0
56	VDD	+5V power supply	-	5.0
57	VDD1	VDD1 filter terminal	-	3.3
58	VDD2	VDD2 filter terminal	-	1.7
59	VSS	Ground	-	0
60	OSC	Oscillator terminal	-	3.8
61	DO	Key data output	O	5.0
62	CE	LCD driver chip enable	I	0.3
63	CLK	LCD clock	I	5.1
64	DI	LCD data	I	4.9

10. PACKAGE AND IC BLOCK DIAGRAM

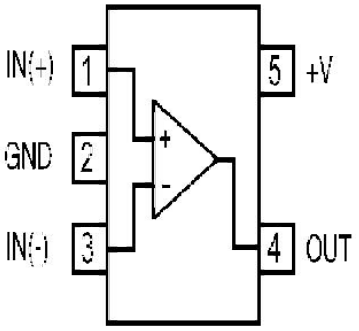
10.1. Main Block

PA051 : YESAP403

IC201 : YESAM293

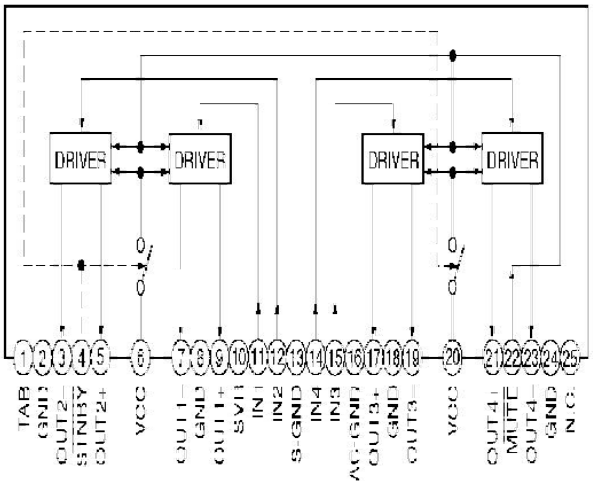


IC231 : YESAM320

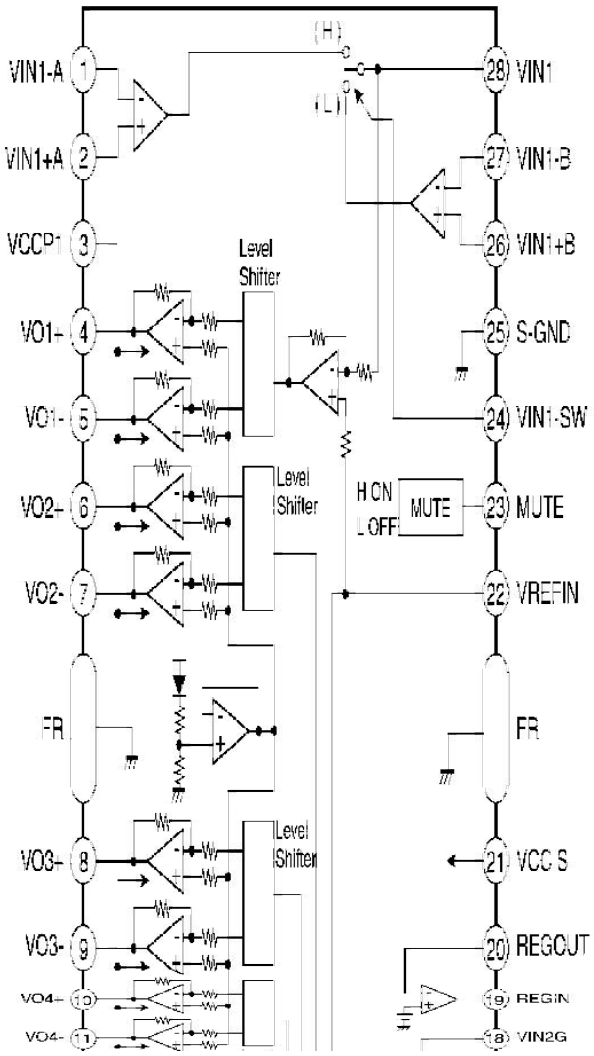


IC751 : YESAM349

IC271 : C1EA00000041

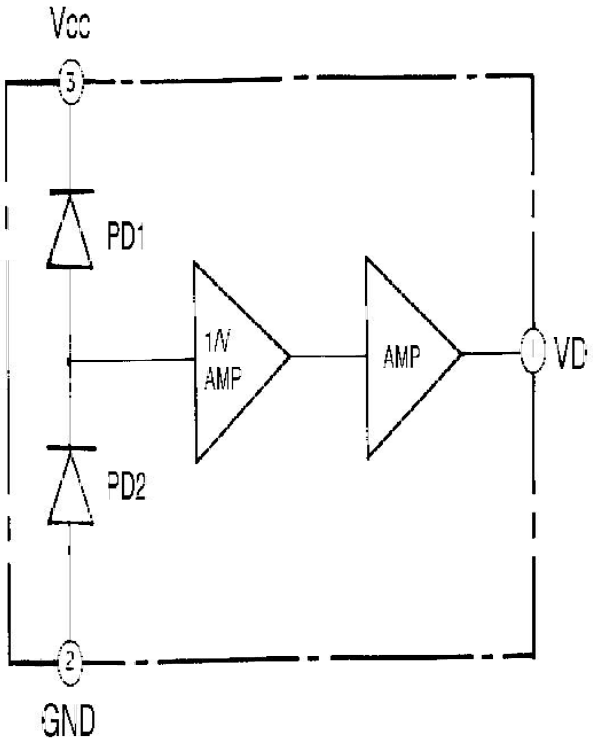


IC802 : YESAM352



10.2. Display Block

IC905 : YESAM264



11. REPLACEMENT PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7222-02-11] MAIN BLOCK			
IC's and TRANSISTORs			
IC201	YESAM293	IC	
IC231	YESAM320	IC	
IC271	C1EA00000041	IC	
IC601	YESAM350	IC	
IC751	YESAM349	IC	
IC801	YESAM351	IC	
IC802	YESAM352	IC	
PA051	YESAP403	Tuner Pack	
Q052	YESAN117	Transistor	
Q055	YESAN117	Transistor	
Q261	YESAN121	Transistor	
Q262	YESAN121	Transistor	
Q265	YESAN125	Transistor	
Q361	YESAN121	Transistor	
Q362	YESAN121	Transistor	
Q365	YESAN125	Transistor	
Q401	B1CBGF000005	FET	
Q660	YESAN128	Transistor	
Q661	YESAN127	Transistor	
Q671	YESAN120	Transistor	
Q672	YESAN118	Transistor	
Q701	YESAN126	Transistor	
Q702	YESAN129	Transistor	
Q703	YESAN123	Transistor	
Q704	YESAN123	Transistor	
Q751	YESAN115	FET	
Q752	YESAN115	FET	
Q770	YESAN087	Transistor	
Q851	B1BCCF000017	Transistor	
Q871	YESAN113	Transistor	
DIODEs			
D053	YESAD119	Zener Diode	
D231	YESAD143	Diode	
D232	YESAD144	Diode	
D233	YESAD119	Zener Diode	
D270	YESAD146	Diode	
D271	YESAD146	Diode	
D272	YESAD146	Diode	
D273	YESAD146	Diode	
D274	YESAD146	Diode	
D275	YESAD146	Diode	
D276	YESAD146	Diode	
D277	YESAD146	Diode	
D677	YESAD147	Zener Diode	
D691	YESAD155	Diode	
D701	YESAD139	Diode	
D702	YESAD153	Zener Diode	
D703	YESAD146	Diode	
D704	YESAD143	Diode	
D705	YESAD146	Diode	
D751	YESAD141	Diode	
D770	YESAD123	Zener Diode	
D791	B0ACCK000005	Diode	

[redacted]	[redacted]	[redacted]	

Ref. No.	Part No.	Part Name & Description	Remarks
D792	B0ACCK000005	Diode	
CAPACITORs			
C61	YESCC527	Ceramic, 0.022 μF 25WV	
C62	YESCC527	Ceramic, 0.022 μF 25WV	
C051	YECUS1H470JC	Ceramic, 47pF 50WV	
C065	YESCC481	Ceramic, 0.001 μF 50WV	
C071	YESCC559	Ceramic, 0.012 μF 50WV	
C201	YESCC529	Ceramic, 0.22 μF 16WV	
C202	YESCC550	Electrolytic, 3.3 μF 50WV	
C204	YESCC452	Ceramic, 1 μF 16WV	
C206	YESCC549	Electrolytic, 2.2 μF 50WV	
C207	YESCC452	Ceramic, 1 μF 16WV	
C233	YESCC481	Ceramic, 0.001 μF 50WV	
C234	YESCC563	Ceramic, 2.2 μF	
C235	YESCC545	Electrolytic, 22 μF 10WV	
C236	YESCC563	Ceramic, 2.2 μF	
C251	YESCC226	Ceramic, 470pF 50WV	
C261	YESCC372	Electrolytic, 4.7 μF 25WV	
C262	YESCC372	Electrolytic, 4.7 μF 25WV	
C263	YESCC487	Ceramic, 0.47 μF 16WV	
C267	YESCC487	Ceramic, 0.47 μF 16WV	
C268	YESCC487	Ceramic, 0.47 μF 16WV	
C269	YESCC487	Ceramic, 0.47 μF 16WV	
C271	YESCC486	Ceramic, 0.0047 F 50WV	
C272	YESCC486	Ceramic, 0.0047 F 50WV	
C276	YESCC548	Electrolytic, 47 F 16WV	
C277	YESCC452	Ceramic, 1 F 16WV	
C279	YESCC368	Electrolytic, 2200 F 16WV	
C280	YESCC563	Ceramic, 2.2 F	
C281	YESCC563	Ceramic, 2.2 F	
C301	YESCC529	Ceramic, 0.22 F 16WV	
C302	YESCC550	Electrolytic, 3.3 F 50WV	
C304	YESCC452	Ceramic, 1 F 16WV	
C306	YESCC549	Electrolytic, 2.2 F 50WV	
C307	YESCC546	Electrolytic, 10 F 16WV	
C308	YESCC539	Electrolytic, 120 F 10WV	
C351	YESCC226	Ceramic, 470pF 50WV	
C361	YESCC372	Electrolytic, 4.7 F 25WV	
C362	YESCC372	Electrolytic, 4.7 F 25WV	
C363	YESCC487	Ceramic, 0.47 F 16WV	
C367	YESCC487	Ceramic, 0.47 F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C368	YESCC487	Ceramic, 0.47 μ F 16WV	
C369	YESCC487	Ceramic, 0.47 μ F 16WV	
C371	YESCC486	Ceramic, 0.0047 μ F 50WV	
C372	YESCC486	Ceramic, 0.0047 μ F 50WV	
C375	YESCC404	Electrolytic, 10 μ F 16WV	
C401	YESCC543	Electrolytic, 680 μ F 10WV	
C402	ECQV1H683JL2	Plastic, 0.068 μ F 50WV	
C403	YESCC562	Ceramic, 0.0068 μ F 50WV	
C421	F1J1H101A667	Ceramic, 100pF 50WV	
C430	YESCC313	Electrolytic, 220 μ F 10WV	
C601	YECUS1H220JC	Ceramic, 22pF 50WV	
C602	YECUS1H220JC	Ceramic, 22pF 50WV	
C603	YESCC452	Ceramic, 1 μ F 16WV	
C606	YESCC397	Electrolytic, 1000 μ F 6.3WV	
C608	F1J1H101A667	Ceramic, 100pF 50WV	
C609	YESCC452	Ceramic, 1 μ F 16WV	
C642	YESCC487	Ceramic, 0.47 μ F 16WV	
C660	YESCC549	Electrolytic, 2.2 μ F 50WV	
C751	YESCC396	Electrolytic, 470 μ F 16WV	
C753	YESCC539	Electrolytic, 120 μ F 10WV	
C754	YESCC539	Electrolytic, 120 μ F 10WV	
C770	YESCC547	Electrolytic, 100 μ F 16WV	
C801	YESCC486	Ceramic, 0.0047 μ F 50WV	
C803	YESCC560	Ceramic, 0.047 μ F 50WV	
C804	YESCC561	Ceramic, 0.056 ″ F 50WV	
C806	YESCC481	Ceramic, 0.001 F 50WV	
C807	YESCC561	Ceramic, 0.056 F 50WV	
C810	YESCC424	Electrolytic, 100 F 6.3WV	
C811	YESCC452	Ceramic, 1 F 16WV	
C812	YESCC560	Ceramic, 0.047 F 50WV	
C816	YESCC544	Electrolytic, 100 F 6.3WV	
C818	YESCC544	Electrolytic, 100 F 6.3WV	
C820	YESCC271	Ceramic, 68pF 50WV	
C821	YESCC271	Ceramic, 68pF 50WV	
C825	YESCC414	Electrolytic, 1 F 50WV	
C827	YESCC424	Electrolytic, 100 F 6.3WV	
C833	YESCC315	Electrolytic, 330 F 6.3WV	
C835	YESCC560	Ceramic, 0.047 F 50WV	
C852	YESCC547	Electrolytic, 100 F 16WV	
C854	YESCC538	Electrolytic, 150 F 6.3WV	
C855	YESCC547	Electrolytic, 100 F 16WV	
C874	YESCC558	Electrolytic, 5.6 F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C876	YESCC538	Electrolytic, 150 μF 6.3WV	
C877	YESCC377	Electrolytic, 47 μF 6.3WV	
C880	YESCC544	Electrolytic, 100 μF 6.3WV	
C881	YESCC544	Electrolytic, 100 μF 6.3WV	
C891	YESCC481	Ceramic, 0.001 μF 50WV	
RESISTORs			
J101	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J102	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J103	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J104	YESRG196	Chip, 0 Ω 1/8W	
J105	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J106	YESRG132	Chip, 0 Ω 1/4W	
J108	YESRG132	Chip, 0 Ω 1/4W	
J109	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J110	YESRG132	Chip, 0 Ω 1/4W	
J111	YESRG196	Chip, 0 Ω 1/8W	
J113	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J114	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J115	YESRG132	Chip, 0 Ω 1/4W	
J116	YESRG132	Chip, 0 Ω 1/4W	
J117	YESRG132	Chip, 0 Ω 1/4W	
J118	YESRG132	Chip, 0 Ω 1/4W	
J119	YESRG132	Chip, 0 Ω 1/4W	
J120	YESRG132	Chip, 0 Ω 1/4W	
J122	YESRG132	Chip, 0 Ω 1/4W	
J124	YESRG132	Chip, 0 1/4W	
J130	ERJ8GX0R00V	Chip, 0 1/4W	
J132	ERJ8GX0R00V	Chip, 0 1/4W	
J133	ERJ8GX0R00V	Chip, 0 1/4W	
J134	YESRG132	Chip, 0 1/4W	
J135	YESRG132	Chip, 0 1/4W	
J136	ERJ8GX0R00V	Chip, 0 1/4W	
J145	YESRG196	Chip, 0 1/8W	
J153	ERJ8GX0R00V	Chip, 0 1/4W	
J155	YESRG132	Chip, 0 1/4W	
J157	YESRG132	Chip, 0 1/4W	
J158	YESRG132	Chip, 0 1/4W	
J159	YESRG196	Chip, 0 1/8W	
J160	ERJ8GX0R00V	Chip, 0 1/4W	
J161	ERJ8GX0R00V	Chip, 0 1/4W	
J163	ERJ8GX0R00V	Chip, 0 1/4W	
J164	ERJ8GX0R00V	Chip, 0 1/4W	
J165	YESRG132	Chip, 0 1/4W	
J166	YESRG132	Chip, 0 1/4W	
J167	YESRG132	Chip, 0 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
J168	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J169	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J172	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J173	YESRG132	Chip, 0 Ω 1/4W	
J175	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J176	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J177	YESRG132	Chip, 0 Ω 1/4W	
J178	YESRG132	Chip, 0 Ω 1/4W	
J179	YESRG132	Chip, 0 Ω 1/4W	
J180	YESRG132	Chip, 0 Ω 1/4W	
J181	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J182	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J183	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J184	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J185	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J186	YESRG132	Chip, 0 Ω 1/4W	
J187	YESRG132	Chip, 0 Ω 1/4W	
J189	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J190	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J191	YESRG132	Chip, 0 Ω 1/4W	
J194	YESRG196	Chip, 0 Ω 1/8W	
R050	YESRG399	Chip, 5.6k Ω 1/8W	
R052	YESRG189	Chip, 100 Ω 1/4W	
R053	YESRG132	Chip, 0 Ω 1/4W	
R060	YESRG385	Chip, 33k Ω 1/8W	
R065	YESRG387	Chip, 39k Ω 1/8W	
R070	YESRG420	Carbon, 220 Ω 1/4W	
R201	YESRG415	Chip, 18k 1/8W	
R202	YESRG382	Chip, 27k 1/8W	
R203	YESRG390	Chip, 4.7k 1/8W	
R204	YESRG390	Chip, 4.7k 1/8W	
R208	YESRG319	Chip, 1k 1/8W	
R232	YESRG361	Chip, 100k 1/8W	
R233	YESRG391	Chip, 47k 1/8W	
R234	YESRG360	Chip, 10k 1/8W	
R235	YESRG391	Chip, 47k 1/8W	
R236	YESRG385	Chip, 33k 1/8W	
R237	YESRG360	Chip, 10k 1/8W	
R238	YESRG319	Chip, 1k 1/8W	
R239	YESRG382	Chip, 27k 1/8W	
R251	YESRG382	Chip, 27k 1/8W	
R252	YESRG374	Chip, 20k 1/8W	
R261	YESRG371	Chip, 180 1/8W	
R262	YESRG371	Chip, 180 1/8W	
R263	YESRG396	Chip, 560 1/8W	
R265	YESRG360	Chip, 10k 1/8W	
R266	YESRG360	Chip, 10k 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R267	YESRG396	Chip, 560 Ω 1/8W	
R275	YESRG376	Chip, 22k Ω 1/8W	
R280	YESRG040	Chip, 130 Ω 1/4W	
R299	YESRG431	Chip, 22 Ω 1/8W	
R301	YESRG415	Chip, 18k Ω 1/8W	
R302	YESRG382	Chip, 27k Ω 1/8W	
R303	YESRG390	Chip, 4.7k Ω 1/8W	
R304	YESRG390	Chip, 4.7k Ω 1/8W	
R308	YESRG134	Chip, 1k Ω 1/4W	
R351	YESRG382	Chip, 27k Ω 1/8W	
R352	YESRG374	Chip, 20k Ω 1/8W	
R361	YESRG418	Carbon, 180 Ω 1/4W	
R362	YESRG418	Carbon, 180 Ω 1/4W	
R363	YESRG396	Chip, 560 Ω 1/8W	
R365	YESRG360	Chip, 10k Ω 1/8W	
R366	YESRG360	Chip, 10k Ω 1/8W	
R367	YESRG396	Chip, 560 Ω 1/8W	
R375	YESRG417	Carbon, 12k Ω 1/4W	
R401	YESRG334	Chip, 10 Ω 1/8W	
R402	YESRG384	Chip, 330 Ω 1/8W	
R403	YESRG394	Chip, 5.1k Ω 1/8W	
R601	YESRG416	Carbon, 1k Ω 1/4W	
R602	YESRG416	Carbon, 1k Ω 1/4W	
R603	YESRG416	Carbon, 1k Ω 1/4W	
R604	YESRG416	Carbon, 1k Ω 1/4W	
R605	YESRG134	Chip, 1k Ω 1/4W	
R606	YESRG134	Chip, 1k Ω 1/4W	
R607	YESRG320	Chip, 2.2k 1/8W	
R608	YESRG134	Chip, 1k 1/4W	
R609	YESRG416	Carbon, 1k 1/4W	
R610	YESRG416	Carbon, 1k 1/4W	
R611	YESRG416	Carbon, 1k 1/4W	
R612	YESRG134	Chip, 1k 1/4W	
R613	YESRG134	Chip, 1k 1/4W	
R614	YESRG319	Chip, 1k 1/8W	
R615	YESRG416	Carbon, 1k 1/4W	
R616	YESRG134	Chip, 1k 1/4W	
R617	YESRG416	Carbon, 1k 1/4W	
R618	YESRG381	Chip, 2.7k 1/8W	
R619	YESRG391	Chip, 47k 1/8W	
R620	YESRG391	Chip, 47k 1/8W	
R621	YESRG391	Chip, 47k 1/8W	
R622	YESRG391	Chip, 47k 1/8W	
R623	YESRG148	Chip, 47k 1/4W	
R625	YESRG148	Chip, 47k 1/4W	
R626	YESRG319	Chip, 1k 1/8W	
R627	YESRG319	Chip, 1k 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R628	YESRG360	Chip, 10k Ω 1/8W	
R629	YESRG360	Chip, 10k Ω 1/8W	
R630	YESRG391	Chip, 47k Ω 1/8W	
R631	YESRG141	Chip, 2.2k Ω 1/4W	
R636	YESRG391	Chip, 47k Ω 1/8W	
R638	YESRG391	Chip, 47k Ω 1/8W	
R641	YESRG135	Chip, 10k Ω 1/4W	
R642	YESRG181	Chip, 270k Ω 1/8W	
R643	YESRG416	Carbon, 1k Ω 1/4W	
R644	YESRG132	Chip, 0 Ω 1/4W	
R646	YESRG375	Chip, 220 Ω 1/8W	
R647	YESRG393	Chip, 510 Ω 1/8W	
R651	YESRG196	Chip, 0 Ω 1/8W	
R652	YESRG196	Chip, 0 Ω 1/8W	
R660	YESRG041	Chip, 270 Ω 1/4W	
R661	YESRG397	Chip, 5.6k Ω 1/8W	
R671	YESRG373	Chip, 180k Ω 1/8W	
R673	YESRG391	Chip, 47k Ω 1/8W	
R674	YESRG134	Chip, 1k Ω 1/4W	
R675	YESRG319	Chip, 1k Ω 1/8W	
R676	YESRG319	Chip, 1k Ω 1/8W	
R677	YESRG319	Chip, 1k Ω 1/8W	
R678	YESRG134	Chip, 1k Ω 1/4W	
R679	YESRG361	Chip, 100k Ω 1/8W	
R680	YESRG319	Chip, 1k Ω 1/8W	
R681	YESRG319	Chip, 1k Ω 1/8W	
R682	YESRG319	Chip, 1k Ω 1/8W	
R683	YESRG361	Chip, 100k 1/8W	
R684	YESRG319	Chip, 1k 1/8W	
R685	YESRG361	Chip, 100k 1/8W	
R686	YESRG399	Chip, 5.6k 1/8W	
R687	YESRG391	Chip, 47k 1/8W	
R689	YESRG419	Carbon, 180k 1/4W	
R690	YESRG134	Chip, 1k 1/4W	
R701	YESRG312	Chip, 3.3k 1/4W	
R702	YESRG136	Chip, 100k 1/4W	
R703	YESRG313	Chip, 33k 1/4W	
R704	YESRG361	Chip, 100k 1/8W	
R705	YESRG391	Chip, 47k 1/8W	
R706	YESRG388	Chip, 4.3k 1/8W	
R707	YESRG404	Chip, 8.2k 1/8W	
R708	YESRG191	Chip, 22k 1/4W	
R710	YESRG389	Chip, 470 1/8W	
R712	YESRG191	Chip, 22k 1/4W	
R713	YESRG388	Chip, 4.3k 1/8W	
R714	YESRG404	Chip, 8.2k 1/8W	
R751	YESRG337	Chip, 3.3k 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R752	YESRG368	Chip, 15k Ω 1/8W	
R753	YESRG319	Chip, 1k Ω 1/8W	
R754	YESRG391	Chip, 47k Ω 1/8W	
R755	YESRG319	Chip, 1k Ω 1/8W	
R770	YESRG319	Chip, 1k Ω 1/8W	
R771	YESRG196	Chip, 0 Ω 1/8W	
R772	YESRG196	Chip, 0 Ω 1/8W	
R801	YESRG384	Chip, 330 Ω 1/8W	
R804	YESRG390	Chip, 4.7k Ω 1/8W	
R805	YESRG390	Chip, 4.7k Ω 1/8W	
R806	YESRG400	Chip, 680 Ω 1/8W	
R807	YESRG433	Chip, 3.3M Ω 1/8W	
R808	YESRG400	Chip, 680 Ω 1/8W	
R809	YESRG436	Chip, 68k Ω 1/8W	
R810	YESRG319	Chip, 1k Ω 1/8W	
R811	YESRG319	Chip, 1k Ω 1/8W	
R812	YESRG382	Chip, 27k Ω 1/8W	
R813	YESRG397	Chip, 5.6k Ω 1/8W	
R814	YESRG382	Chip, 27k Ω 1/8W	
R815	YESRG319	Chip, 1k Ω 1/8W	
R816	YESRG382	Chip, 27k Ω 1/8W	
R817	YESRG319	Chip, 1k Ω 1/8W	
R818	YESRG319	Chip, 1k Ω 1/8W	
R819	YESRG349	Chip, 22 Ω 1/4W	
R820	YESRG337	Chip, 3.3k Ω 1/8W	
R821	YESRG427	Chip, 150 Ω 1/8W	
R822	YESRG376	Chip, 22k Ω 1/8W	
R823	YESRG196	Chip, 0 1/8W	
R824	YESRG426	Chip, 120 1/8W	
R825	YESRG334	Chip, 10 1/8W	
R826	YESRG391	Chip, 47k 1/8W	
R851	YESRG421	Carbon, 22k 1/4W	
R852	YESRG376	Chip, 22k 1/8W	
R853	YESRG376	Chip, 22k 1/8W	
R854	YESRG423	Chip, 15k 1/10W	
R855	YESRG360	Chip, 10k 1/8W	
R856	YESRG428	Chip, 16k 1/8W	
R857	YESRG385	Chip, 33k 1/8W	
R858	YESRG385	Chip, 33k 1/8W	
R859	YESRG435	Chip, 6.2k 1/8W	
R860	YESRG401	Chip, 6.8k 1/8W	
R861	YESRG435	Chip, 6.2k 1/8W	
R862	YESRG360	Chip, 10k 1/8W	
R871	YESRG389	Chip, 470 1/8W	
R872	YESRG319	Chip, 1k 1/8W	
R873	YESRG319	Chip, 1k 1/8W	
R874	YESRG425	Chip, 8.3 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R875	YESRG424	Chip, 83 Ω 1/10W	
R892	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
R895	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
CONNECTORs			
CN250	YESAE375	Jack, RCA * 2	
CN601	YESAE404	Connector, 17P	
CN701	YESAE351	Connector 16P	
CN801	YESAE340	Connector 22P	
COILs			
L050	YESLQ028	Inductor	
L051	YESLQ035	Inductor	
L401	YESLQ017	Inductor	
L501	YESLQ046	Inductor	
L502	YESLQ046	Inductor	
L601	YESLQ042	Inductor	
L602	YESLQ044	Inductor	
L603	YESLQ044	Inductor	
L671	YESLQ027	Inductor	
L701	YESLT030	Inductor	
L710	YESLQ012	Inductor	
L751	YESLQ047	Inductor	
L801	YESLQ048	Inductor	
L802	YESLQ048	Inductor	
CYRSTALs			
XL601	YESXL037	Crystal	
XL801	YESXL038	Crystal	
SERGE PROTECTOR / VARISTOR			
Z050	YESRTD014	Serge Protector	
Z701	YESRTD012	Varistor	
SWITCH			
SW671	YEAS08042	Switch	
[7222-05-11] DISPLAY BLOCK			
IC's			
IC901	C0HBA0000195	IC	
IC905	YESAM264	IC	
DIODEs			
D902	YESAD170	LED	
D931	YESAD150	Zener Diode	
D933	YESAD147	Zener Diode	
D954	YESAD170	LED	
D956	YESAD170	LED	

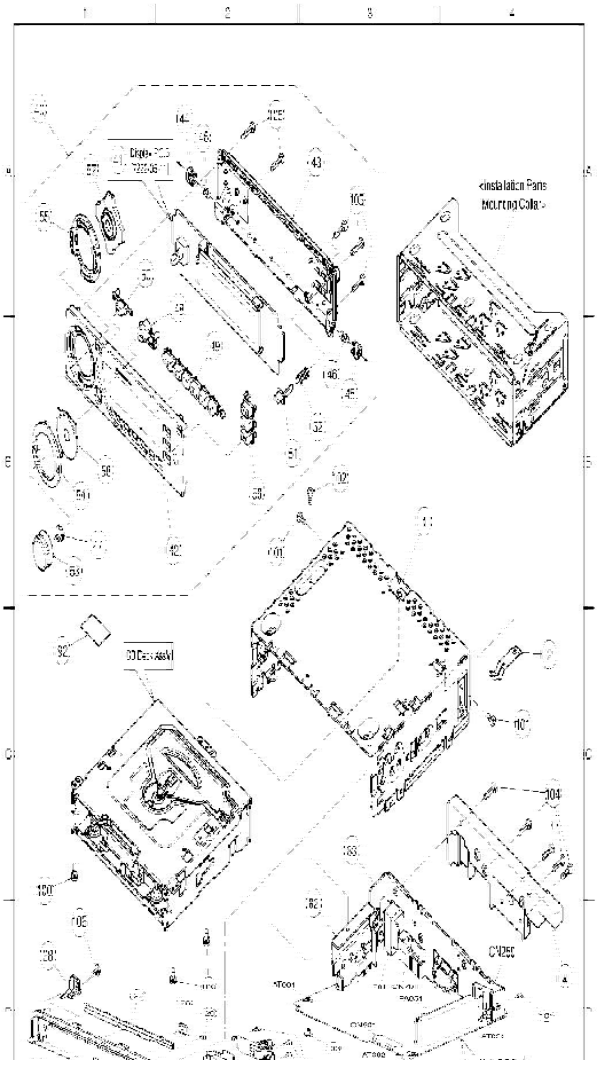
Ref. No.	Part No.	Part Name & Description	Remarks
D957	YESAD170	LED	
D958	YESAD170	LED	
D959	YESAD170	LED	
D960	YESAD170	LED	
D961	YESAD170	LED	
D962	YESAD170	LED	
D963	YESAD170	LED	
D964	YESAD170	LED	
D965	YESAD170	LED	
D966	YESAD170	LED	
D967	YESAD170	LED	
D969	YESAD170	LED	
D990	YESAD168	LED	
D991	YESAD168	LED	
CAPACITORs			
C905	YESCC523	Ceramic, 0.1 μ F 16WV	
C906	YESCC441	Ceramic, 1000pF 50WV	
C914	YESCC523	Ceramic, 0.1 μ F 16WV	
C915	YESCC523	Ceramic, 0.1 μ F 16WV	
C916	YESCC523	Ceramic, 0.1 μ F 16WV	
C923	YESCC542	Ceramic, 680pF	
C960	YESCC531	Ceramic, 10 μ F	
C970	YESCC531	Ceramic, 10 μ F	
RESISTORs			
R903	YESRG210	Chip, 470 Ω 1/10W	
R904	YESRG159	Chip, 1k Ω 1/4W	
R905	YESRG159	Chip, 1k 1/4W	
R906	YESRG159	Chip, 1k 1/4W	
R908	YESRG359	Chip, 100 1/8W	
R909	YESRG159	Chip, 1k 1/4W	
R910	YESRG209	Chip, 2.2k 1/10W	
R911	YESRG429	Chip, 1 1/8W	
R920	YESRG138	Chip, 180 1/4W	
R921	YESRG138	Chip, 180 1/4W	
R931	YESRG170	Chip, 47k 1/10W	
R939	YESRG211	Chip, 4.7 1/10W	
R942	YESRG170	Chip, 47k 1/10W	
R963	YESRG432	Chip, 300 1/8W	
R967	YESRG157	Chip, 0 1/10W	
R970	YESRG434	Chip, 390 1/8W	
R971	YESRG434	Chip, 390 1/8W	
R972	YESRG430	Chip, 200 1/8W	
R973	YESRG430	Chip, 200 1/8W	
R974	YESRG434	Chip, 390 1/8W	
R975	YESRG434	Chip, 390 1/8W	
R981	YESRG170	Chip, 47k 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R997	YESRG324	Chip, 0 Ω 1/4W	
CONNECTORs			
CN901	YESAE376	Connector 14P	
CN902	YESAE416	Jack (AUX IN)	
CN911	YESAE414	Connector, 4P	
SWITCHes			
SW901	YESAS123	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
SW915	K0H1BA000445	Switch	
SW916	K0H1BA000445	Switch	
LCD			
LD901	YESXDCM031	LCD	
[7221-03-11] CONNECTOR BLOCK			
DIODEs			
D990	YESAD170	LED	
D991	YESAD170	LED	
D995	YESAD155	Diode	
RESISTORs			
J901	YESRG132	Chip, 0 1/4W	
J902	YESRG132	Chip, 0 1/4W	
J903	YESRG132	Chip, 0 1/4W	
J904	YESRG132	Chip, 0 1/4W	
J905	YESRG132	Chip, 0 1/4W	
J906	YESRG132	Chip, 0 1/4W	
J907	YESRG132	Chip, 0 1/4W	
J908	YESRG132	Chip, 0 1/4W	
R990	YESRG422	Chip, 820 1/10W	
R991	YESRG422	Chip, 820 1/10W	
R992	YESRG241	Chip, 0 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
CONNECTORs			
CN990	YESAE405	Connector, 17P	
CN991	YESAE377	Connector, 14P	
SWITCH			
SW990	K0H1BA000445	Switch	
Accessories			
PRINTINGS			
	YEFM285757	Operating Instructions	
	YEFM294113	Installation Instructions	
INSTALLATION PARTS			
	YEFA131839	Removable Face Plate Case	
	YEFC051011	Trim Plate	
	YGAJ021009	Power Connector	
	YEFX0217263	Mounting Collar	
	YEP0FZ5698	Installation kit (Lock Cancel Plate, Mounting Bolt, Rubber Bushing)	
MECHANICAL PARTS			
MISCELLANEOUS			
AT001	YESAT01031	Earth Terminal	
AT002	YESAT01031	Earth Terminal	
AT051	YM104C700ZA	Antenna Receptacle	
1	YESFA01073	Main Chassis	
2	YESFX005155	Ground Contactor	
4	YESFF01084	Heat Sink	
6	YESFA05037	Bottom Cover	
20	YESAP488	Main PCB w/ Components	RTL
25	YESFC02225	Escutcheon	
26	YESFE13220	Button (Eject)	
27	YESFS01092	Dust Felt	
28	YESFX999066	Bracket Arm Ass'y	
29	YESFX001034	CD Indicator	
30	YESFX999073	Hook Bracket Ass'y	
31	YESAP470	Connector PCB w/ Components	RTL
32	YESFE13221	Button, Detect	
33	YESFX999065	Guide, Detect Button	
34	YESFX005157	Spring, Return	
35	YESFX005158	Spring, Guide	
40	YESSDF0171	Removable Face Plate Unit	RTL
41	YESAP472	Display PCB w/ Components	RTL
42	YESFC02243	Detachable Face Ass'y	
43	YESFA07016	Rear Cover	
44	YESFX999068	Shaft Collar	
45	YESFX999069	Shaft Collar	
46	YESFX005135	Spring	
47	YESFX005138	Knob Spring	
48	YESFE13263	Button (SOURCE)	
49	YESFE13264	Button (PRESET)	
50	YESFE13265	Button (Mute)	

Ref. No.	Part No.	Part Name & Description	Remarks
51	YESFE13261	Button, OPEN	
52	YESFX005136	Open Button Spring	
53	YESFE02027	VOL Knob	
54	YESFX999076	Ring, TUNE/TRACK	
55	YESFX999077	Button Base	
56	YESFE13266	Button (BAND SQ)	
57	YESFX999078	VOL Indicator	
58	YESFX999079	Sheet B	
82	YESFX021150	Regulator Bracket	
83	YESFA08036	Rear Plate	
92	YESFM01089	Laser Seal	
100	YESJS01189	Screw, 2.6*4.0	
101	YESJS01188	Bind S Tite, 2.6*5.0	
102	YESJT03074	Bind Tapping, 2.6*8	
103	YESJS01190	Screw, 2.6*6.0	
104	YESJS01187	Bind Screw, 2.6*10	
105	YESJT03075	Tapping Screw, 2.0*8.0	
106	YESJT03076	Tapping Screw, 2*6	

12. EXPLODED VIEW (Unit)



13. CD PLAYER PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by mark have special characteristics important for safety. When replacing any of

these components, use only manufacturer's specified parts.

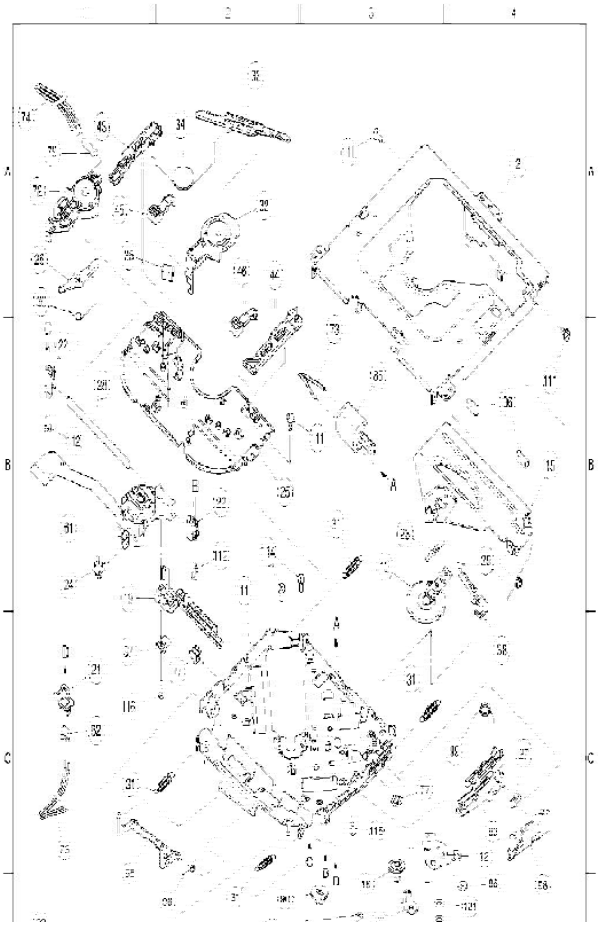
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-24] CD Interface Block			
CAPACITORs			
C1	YESCC439	Ceramic, 0.1 μF 25WV	
RESISTOR			
R1	YESRG222	Chip, 1k Ω 1/10W	
CONNECTORs			
CN1	YESAE397		
CN2	YESAE415	Connector, 16P	
MECHANICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFA01075	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01047	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	

Ref. No.	Part No.	Part Name & Description	Remarks
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece L	
46	YERFX046011	Select Piece R	
61	YESSZ1093	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP474	CD Interface PCB w/ Components	RTL
72	YESFX046176	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	Wire Tube SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01042	LOADING/FEED Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YESFW05023	Roller Guide(N)	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw 2*4	
114	YERJS01002	Camera Screw 1.7*1.8	
115	YERJS01003	Camera Screw 2*2	
116	YERJS01004	Camera Tapping Screw 1.7*5	
118	YESJS01148	Screw, 2*4	
121	YERJW01001	PW 3.5*8*0.3	
122	YERJW01002	HLW 1.85*5*0.13	
123	YERJW01003	Lumilar Washer 3.1*6*0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	PW 2.1*4*0.13	

14. EXPLODED VIEW (CD Deck)



15. WIRING DIAGRAM

15.1. Display Block

15.2. Main/Connector Block (Top View)

15.3. Main/Connector Block (Bottom View)

15.4. CD Interface Block

16. SCHEMATIC DIAGRAM -1

16.1. CD Interface Block

16.2. Connector Block

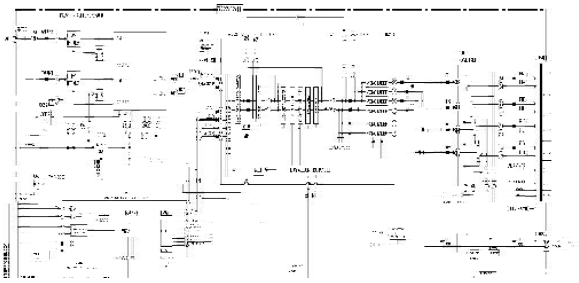
17. SCHEMATIC DIAGRAM -2

17.1. Main Block

17.2. Display Block

18. BLOCK DIAGRAM

18.1. Main/ Display/ Connector Block



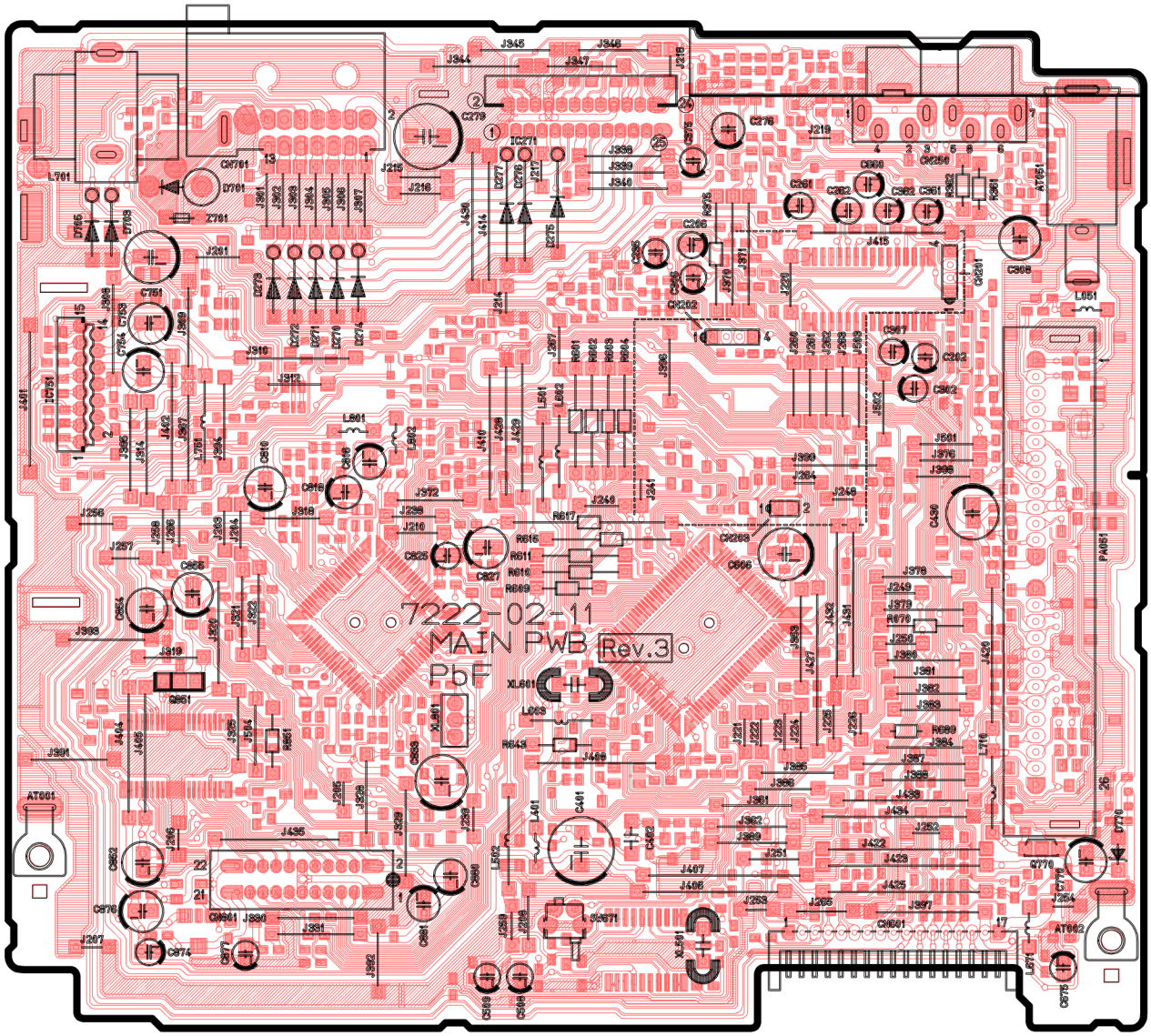
19. SCHEMATIC DIAGRAM for Printing with A4 Size

19.1. Main Block (Left Side)

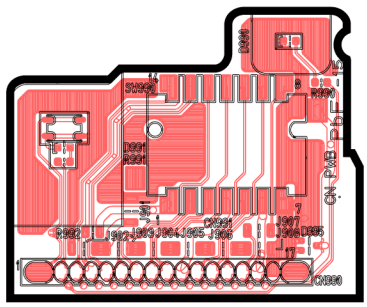
19.2. Main Block (Right Side)

19.3. Display Block (Left Side)

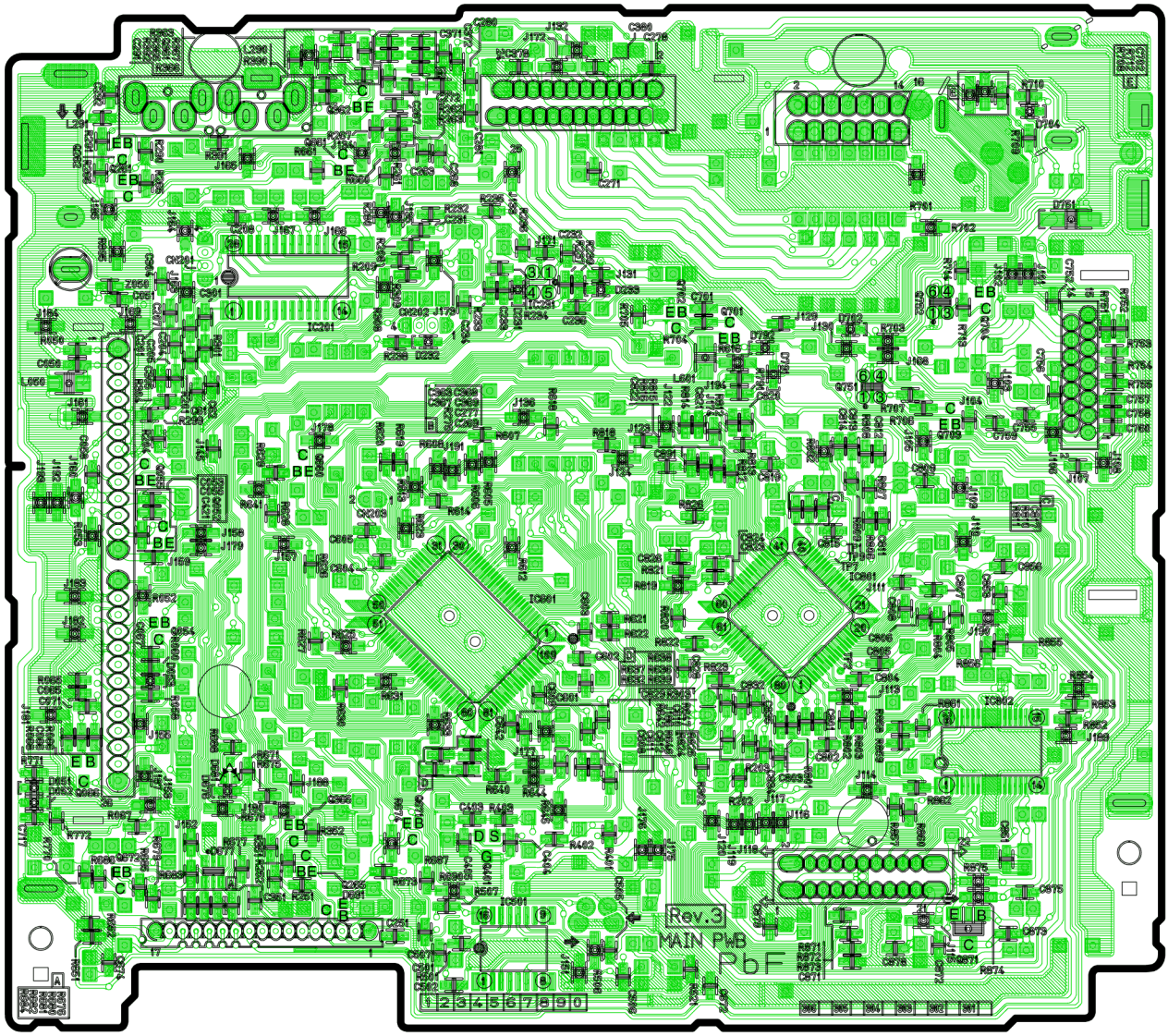
19.4. Display Block (Right Side)



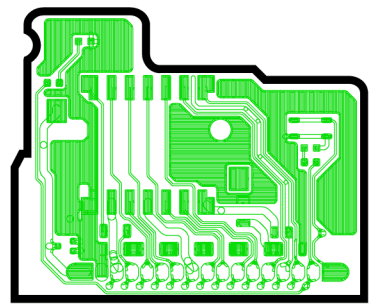
[7222-02-11] [Top View]



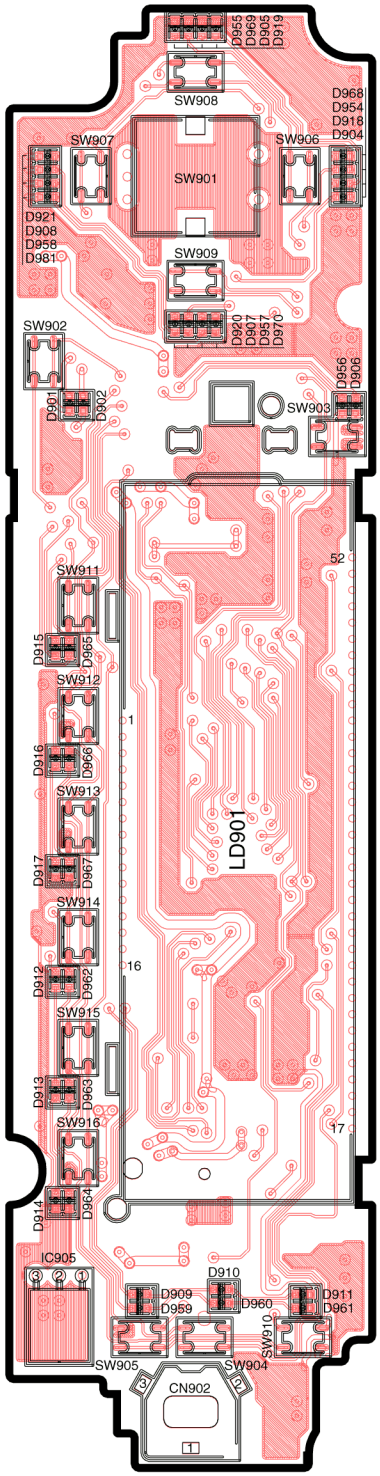
[7221-03-11] [Top View]



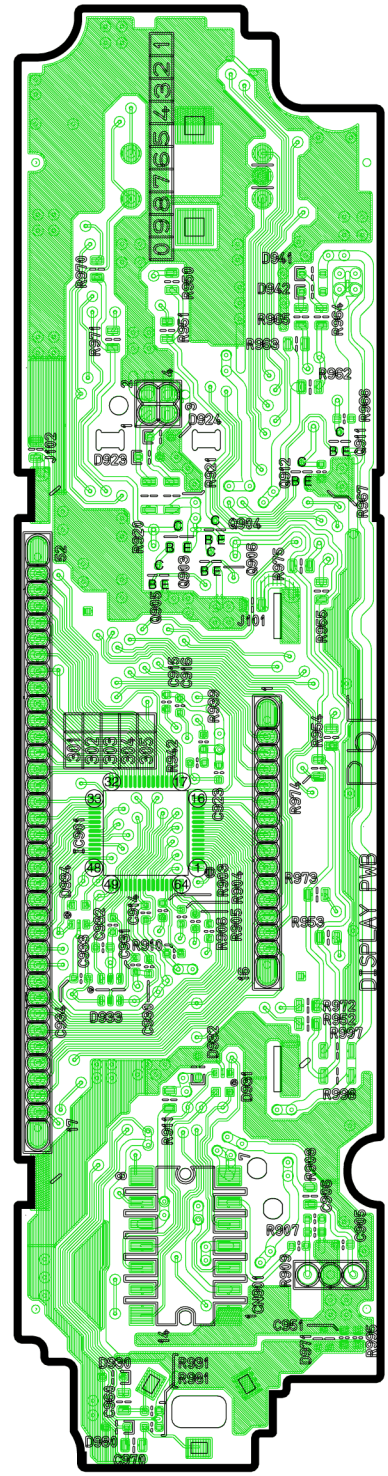
[7222-02-11] [Bottom View]

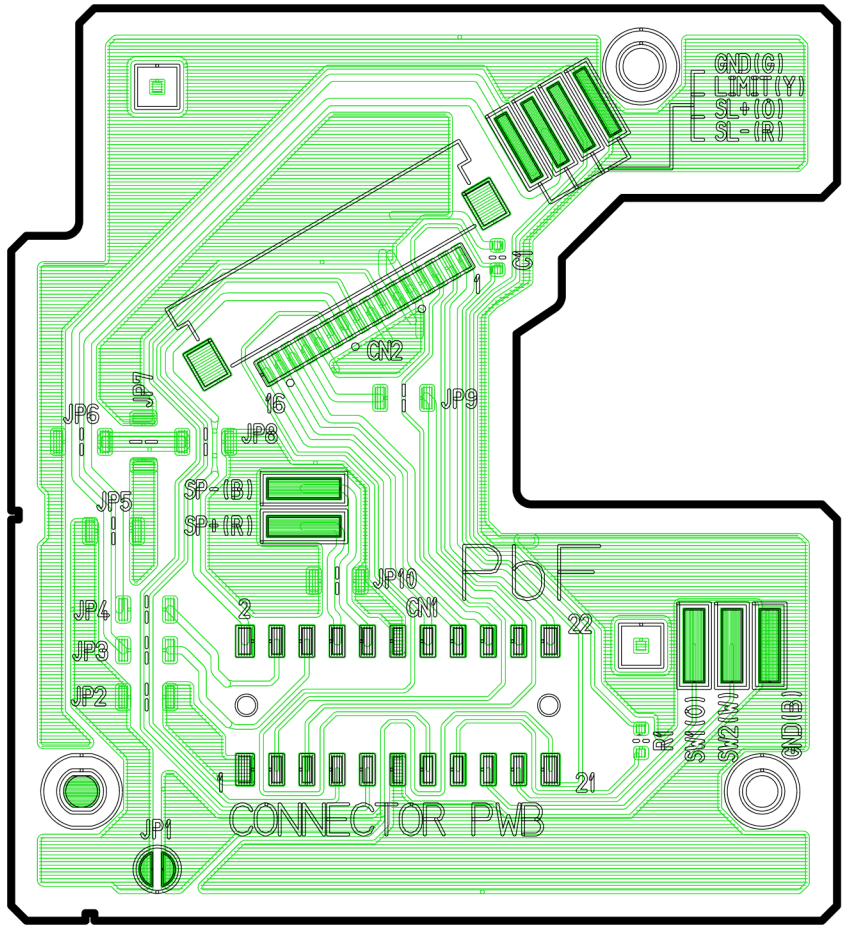


[7221-03-11] [Bottom View]



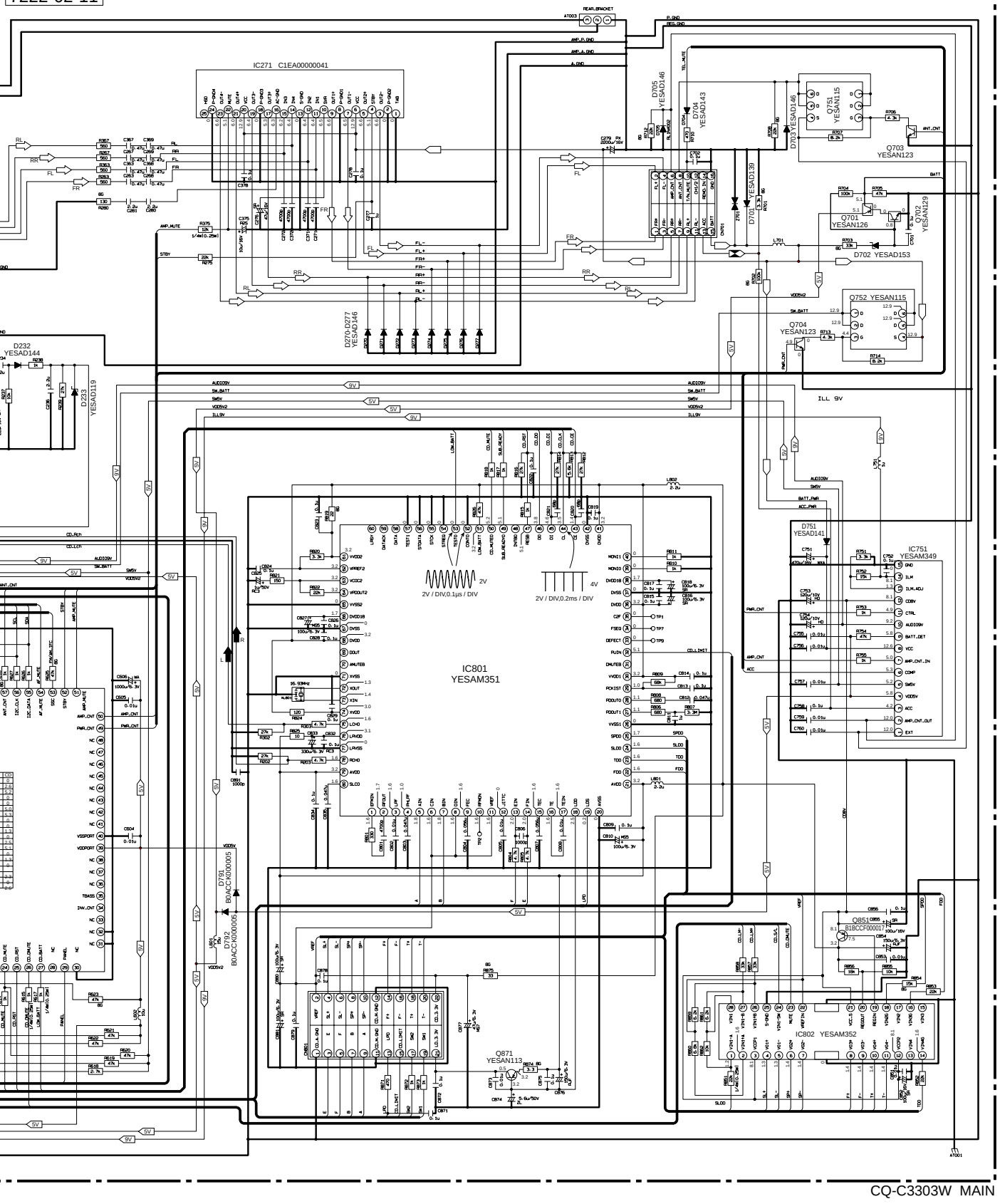
[7222-05-11] [Top View]





[3032-14-24] [Bottom View]

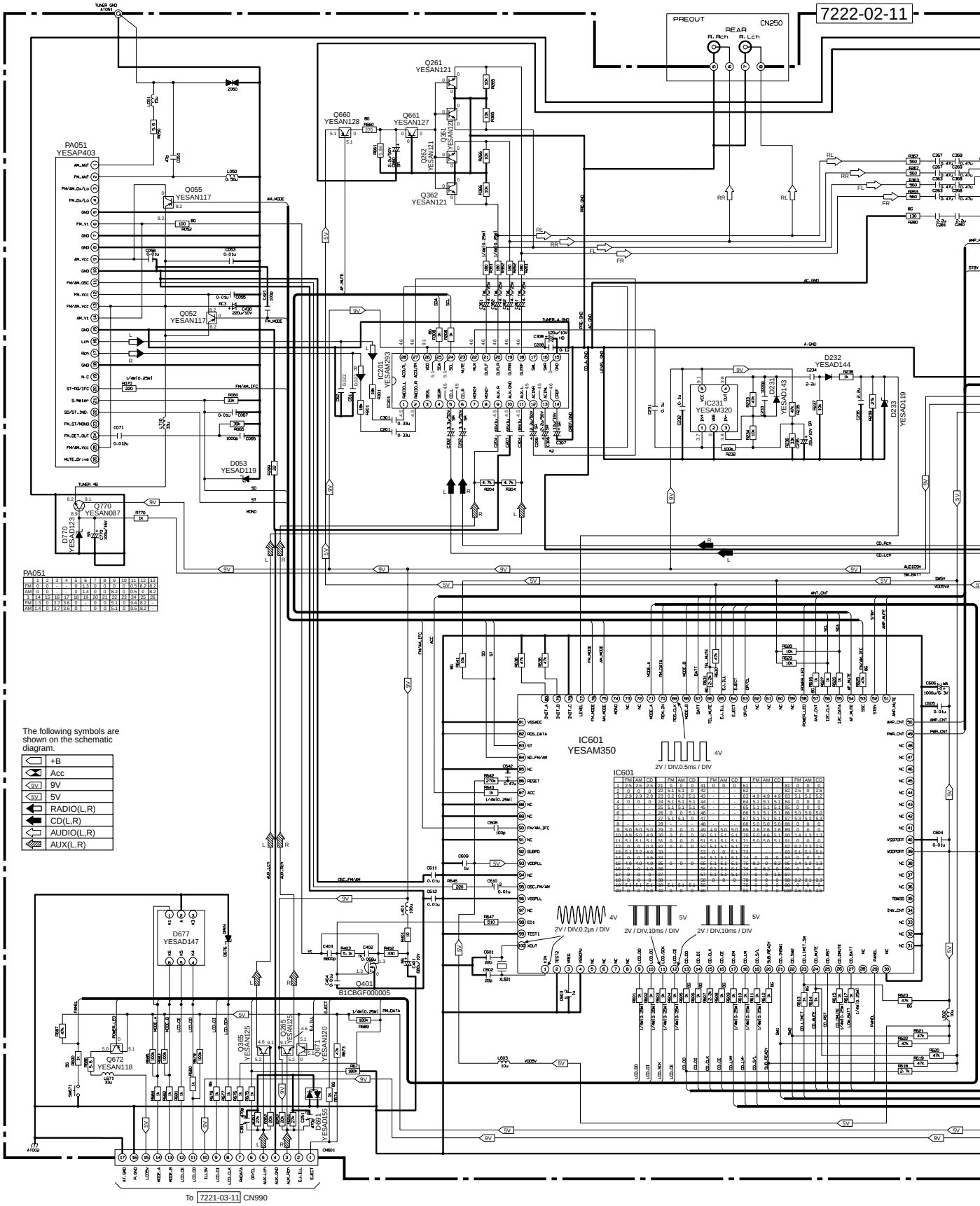
7222-02-11



CQ-C3303W MAIN

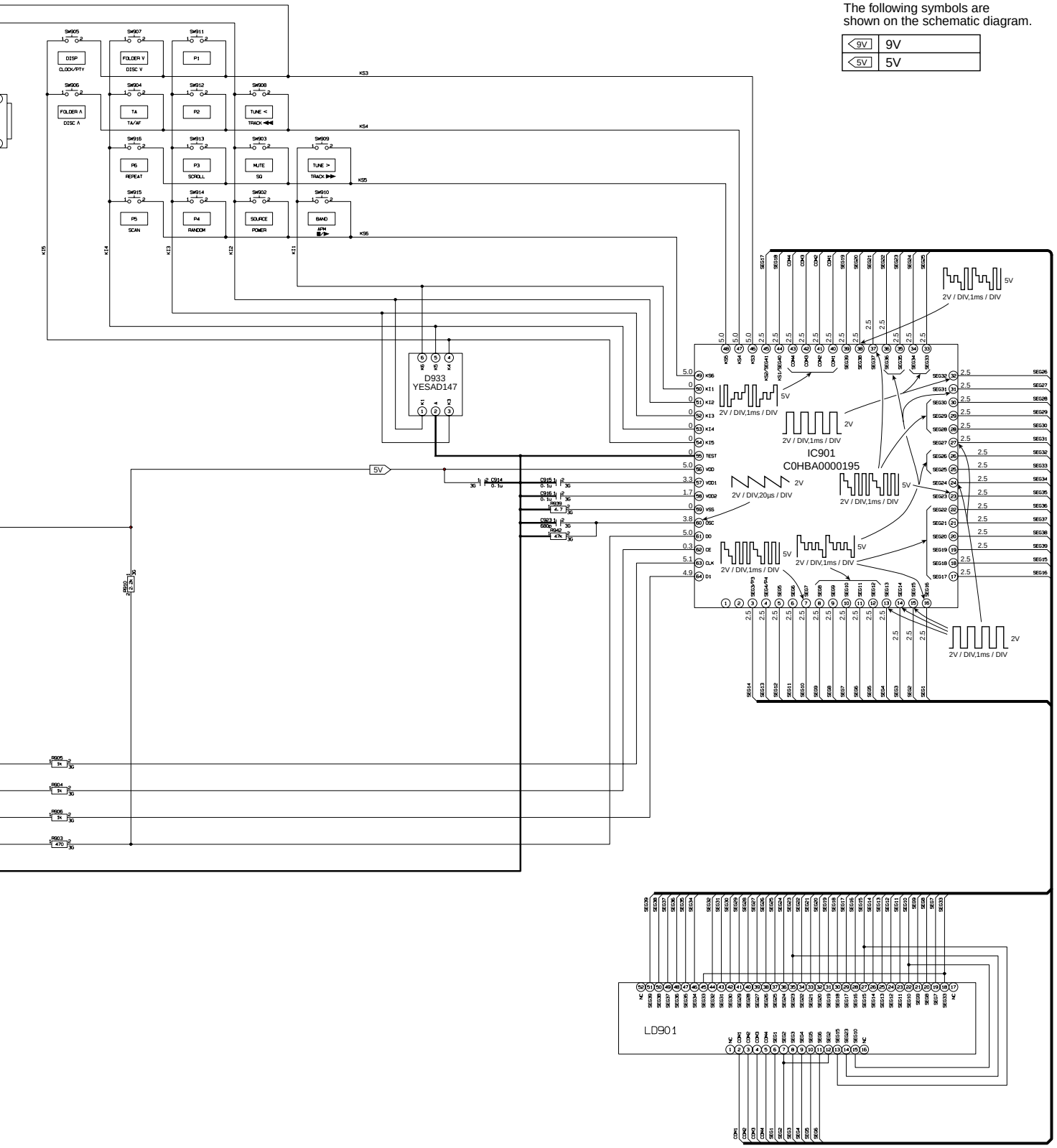
17 SCHEMATIC DIAGRAM -2

17.1. Main Block

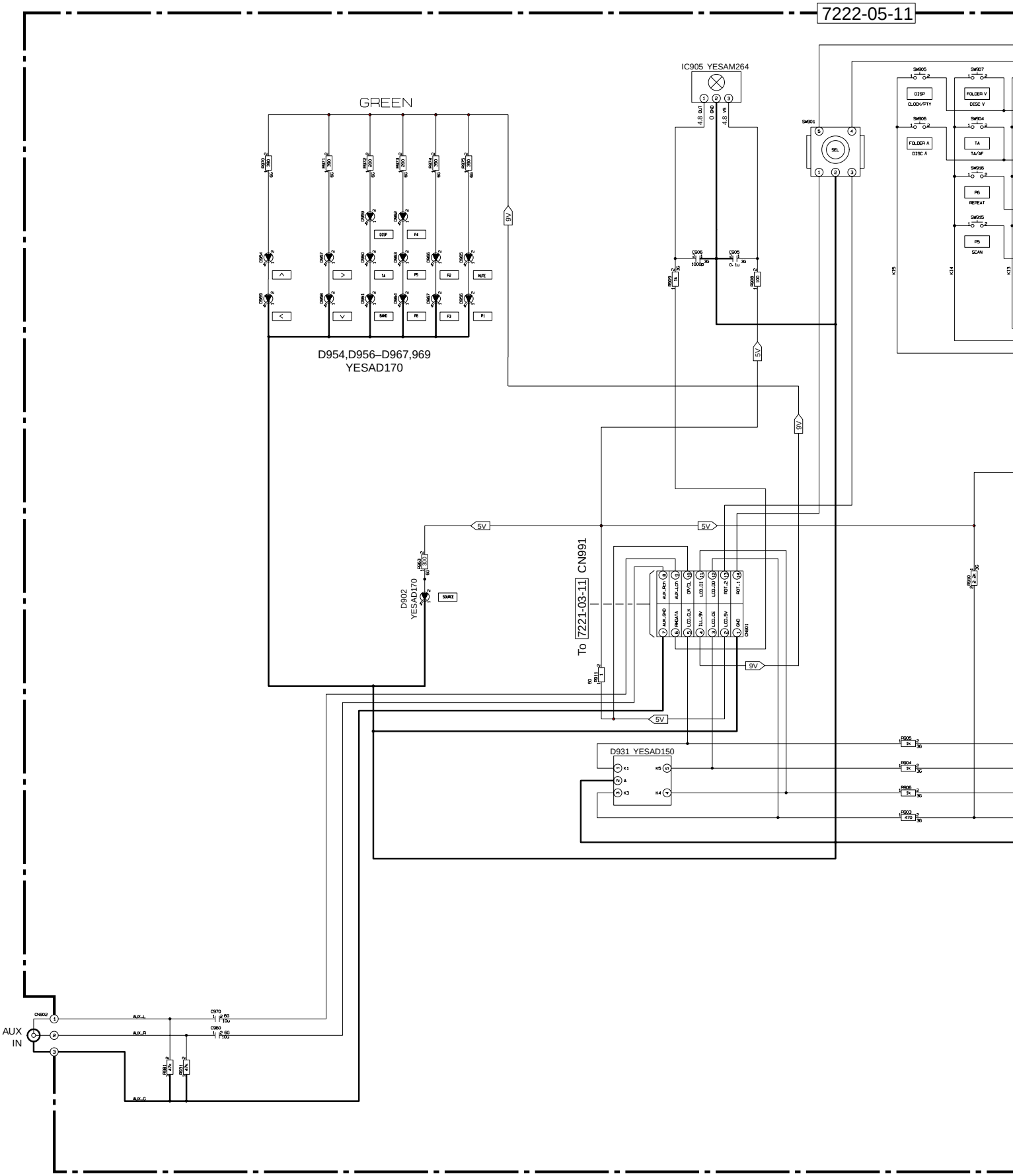


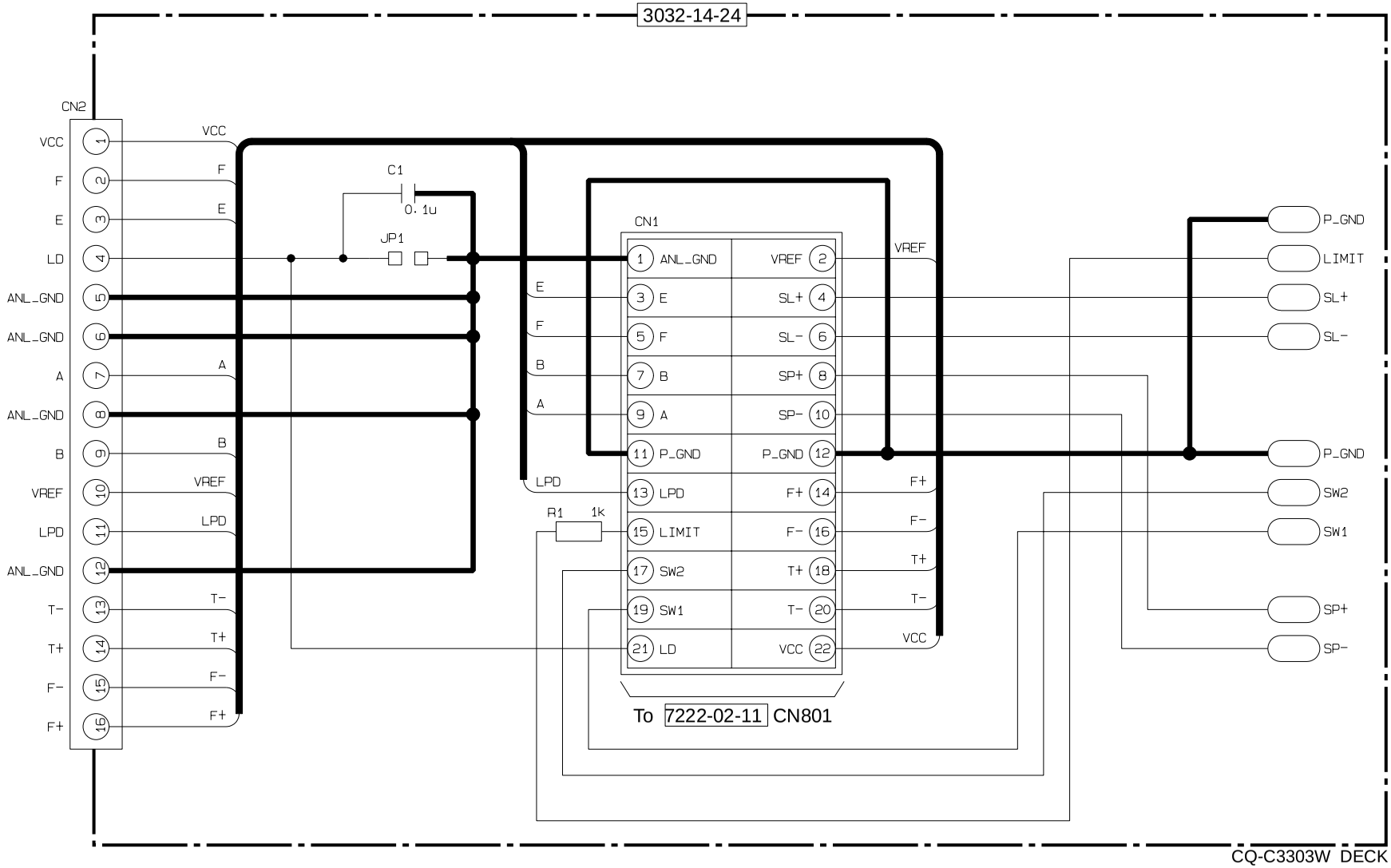
The following symbols are shown on the schematic diagram.

9V	9V
5V	5V



17.2. Display Block




3032-14-24
CN2
VCC 1
F 2
E 3
LD 4
ANL_GND 5
ANL_GND 6
A 7
ANL_GND 8
B 9
VREF 10
LPD 11
ANL_GND 12
T- 13
T+ 14
F- 15
F+ 16
C1
0.1u
JP1
R1 1k
CN1
1 ANL_GND
2 VREF
3 E
4 SL+
5 F
6 SL-
7 B
8 SP+
9 A
10 SP-
11 P_GND
12 P_GND
13 LPD
14 F+
15 LIMIT
16 F-
17 SW2
18 T+
19 SW1
20 T-
21 LD
22 VCC
P_GND
LIMIT
SL+
SL-
P_GND
SW2
SW1
SP+
SP-
To 7222-02-11 CN801
CQ-C3303W DECK

PREOUT
REAR
CN250
R. Rch
R. Lch

IC271 C1EA00000041

IC231
YESAM320

IC201
YESAM288

IC601
YESAM350

IC801
YESAM351

IC751
YESAM349

IC802
YESAM352

PA051
YESAP403

Q770
YESAN087

Q052
YESAN117

Q055
YESAN117

Q660
YESAN128

Q661
YESAN127

Q261
YESAN121

Q262
YESAN121

Q361
YESAN121

Q362
YESAN121

Q672
YESAN118

Q265
YESAN125

Q671
YESAN120

Q401
B1CBGF000005

Q851
B1BCCF000017

Q871
YESAN113

Q701
YESAN126

Q702
YESAN129

Q703
YESAN123

Q704
YESAN123

Q751
YESAN115

Q752
YESAN115

D053
YESAD119

D770
YESAD123

D677
YESAD147

D671
YESAD155

D231
YESAD143

D232
YESAD144

D233
YESAD119

D270-D277
YESAD146

D701
YESAD139

D702
YESAD153

D705
YESAD146

D704
YESAD143

D751
YESAD141

D791
B0ACCK000005

D792
B0ACCK000005

PA051

	1	2	3	4	5	6	7	8	9	10	11	12	13
FM	0	0	-	-	-	0	1.3	0	0	0	0	8.2	8.2
AM	0	0	-	-	-	0	1.4	0	0	0	0	8.2	8.2
1	14	15	16	17	18	19	20	21	22	23	24	25	26
FM	1.3	0	3.7	3.6	0	-	-	0	0	15.1	0	10.4	8.2
AM	1.4	0	3.7	3.6	0	-	-	0	0	15.1	0	0.5	8.2

The following symbols are shown on the schematic diagram.

	+B
	Acc
9V	9V
5V	5V
	RADIO(L,R)
	CD(L,R)
	AUDIO(L,R)
	AUX(L,R)

2V / DIV,0.5ms / DIV
2V / DIV,0.2µs / DIV
5V / DIV,10ms / DIV
5V / DIV,10ms / DIV
2V / DIV,0.1µs / DIV
4V / DIV,0.2ms / DIV

To 7221-03-11 CN990

The following symbols are shown on the schematic diagram.

9V	9V
5V	5V

GREEN

D954,D956–D967,969
YESAD170

IC905 YESAM264

SW901

D933
YESAD147

IC901
C0HBA0000195

D902
YESAD170

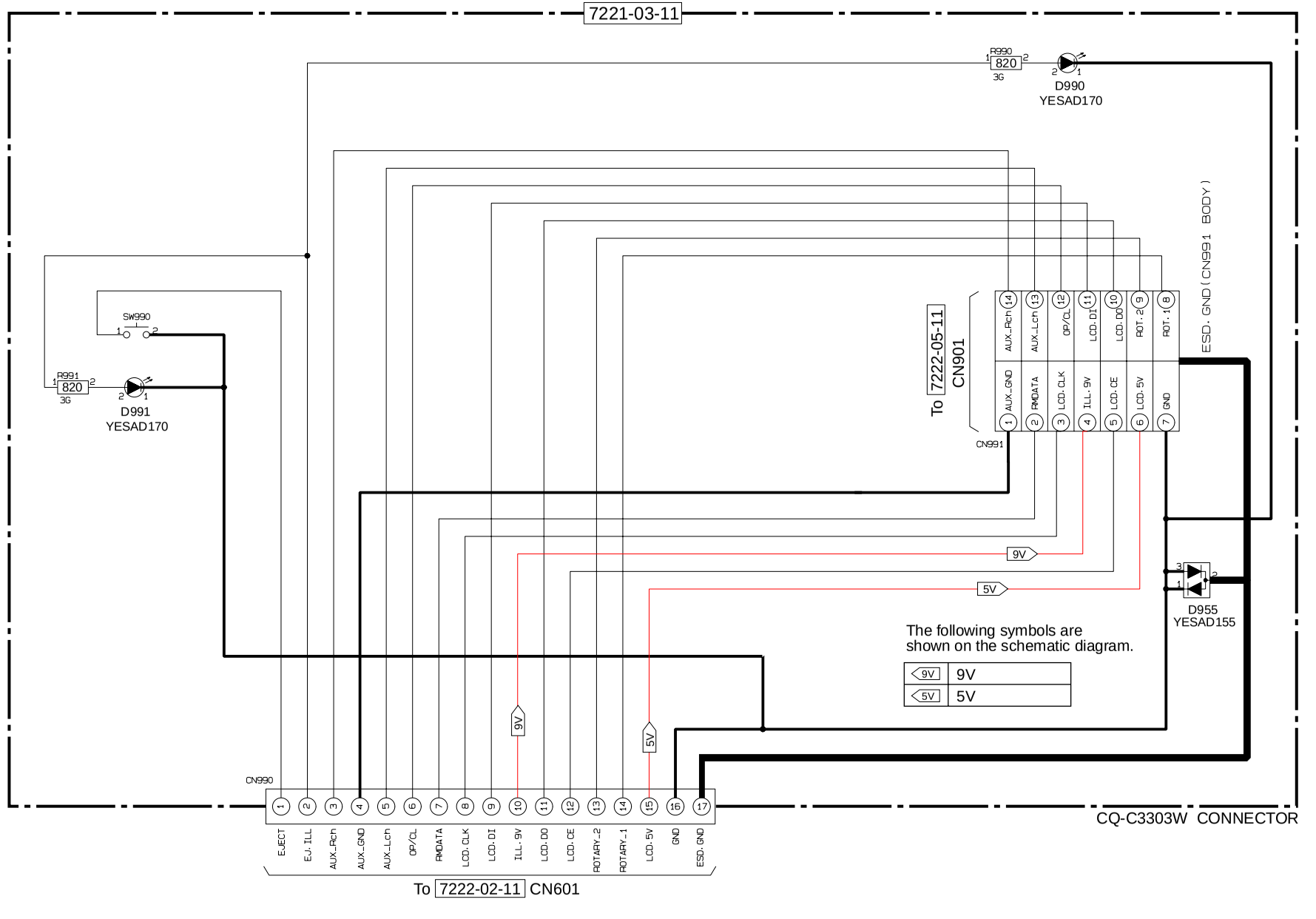
To 7221-03-11 CN991

D931 YESAD150

LD901

AUX IN

CQ-C3303W DISPLAY


7221-03-11
R990
820
3G
D990
YESAD170
SW990
R991
820
3G
D991
YESAD170
To 7222-05-11
CN901
CN991
AUX_Rch
AUX_Lch
OP/CL
LCD.DI
LCD.DO
ROT.2
ROT.1
AUX_GND
RMDATA
LCD.CLK
ILL.9V
LCD.CE
LCD.5V
GND
ESD.GND(CN991 BODY)
9V
5V
D955
YESAD155
The following symbols are
shown on the schematic diagram.
9V
5V
CN990
EJECT
EJ.ILL
AUX_Rch
AUX_GND
AUX_Lch
OP/CL
RMDATA
LCD.CLK
LCD.DI
ILL.9V
LCD.DO
LCD.CE
ROTARY-2
ROTARY-1
LCD.5V
GND
ESD.GND
To 7222-02-11 CN601
CQ-C3303W CONNECTOR